

**CLAIMS**

What is claimed is:

1. (Currently Amended) A method for treating sickle cell anemia in a patient in need thereof comprising administering to a patient in need thereof, a therapeutically effective amount of N-hydroxy-L-arginine, isosorbide dinitrate, or isosorbide mononitrate or a mixture of two or more thereof, and at least one hydralazine compound or a pharmaceutically acceptable salt thereof. hydrochloride wherein the N-hydroxy-L-arginine is administered in an amount of about 1 grams to about 30 grams; the isosorbide dinitrate is administered in an amount of about 20 milligrams per day to about 200 milligrams per day; the isosorbide mononitrate is administered in an amount of about 15 milligrams per day to about 200 milligrams per day; and the hydralazine hydrochloride is administered in an amount of about 30 milligrams per day to about 300 milligrams per day.

2 – 21 (Cancelled)

22. (Currently Amended) A method for treating thalassemia in a patient in need thereof comprising administering to a patient in need thereof, a therapeutically effective amount of N-hydroxy-L-arginine, isosorbide dinitrate, isosorbide mononitrate or a mixture of two or more thereof, and at least one antioxidant. hydralazine hydrochloride wherein the N-hydroxy-L-arginine is administered in an amount of about 1 grams to about 30 grams; the isosorbide dinitrate is administered in an amount of about 20 milligrams per day to about 200 milligrams per day; the isosorbide mononitrate is administered in an amount of about 15 milligrams per day to about 200 milligrams per day; and the hydralazine hydrochloride is administered in an amount of about 30 milligrams per day to about 300 milligrams per day separately or as components of the same composition.

23 - 25. (Cancelled)

26. (New) The method of claim 1 or 22, wherein the isosorbide dinitrate is administered in an amount of about 120 milligrams per day and the hydralazine hydrochloride is administered in an amount of about 225 milligrams per day separately or as components of the same composition.

27. (New) The method of claim 26, wherein the hydralazine hydrochloride and the isosorbide dinitrate are administered in a sustained release form.

28. (New) The method of claim 1 or 22, comprising administering hydralazine hydrochloride in an amount of about 112.5 milligrams once or twice per day and isosorbide dinitrate in an amount of about 60 milligrams once or twice per day.

29. (New) The method of claim 28, wherein the hydralazine hydrochloride and the isosorbide dinitrate are administered in a sustained release form.

30. (New) The method of claim 1 or 22, comprising administering (i) 37.5 mg hydralazine hydrochloride and 20 milligrams isosorbide dinitrate or (ii) 75 mg hydralazine hydrochloride and 40 milligrams isosorbide dinitrate; wherein the hydralazine hydrochloride and the isosorbide dinitrate are administered separately or as components of the same composition.

31. (New) The method of claim 1 or 22, comprising administering hydralazine hydrochloride in an amount of about 75 milligrams once, twice or three times per day and isosorbide dinitrate in an amount of about 40 milligrams once, twice or three times per day.

32. (New) The method of claim 1 or 22, comprising administering hydralazine hydrochloride in an amount of about 37.5 milligrams once, twice or three times per day and isosorbide dinitrate in an amount of about 20 milligrams once, twice or three times per day.